

100

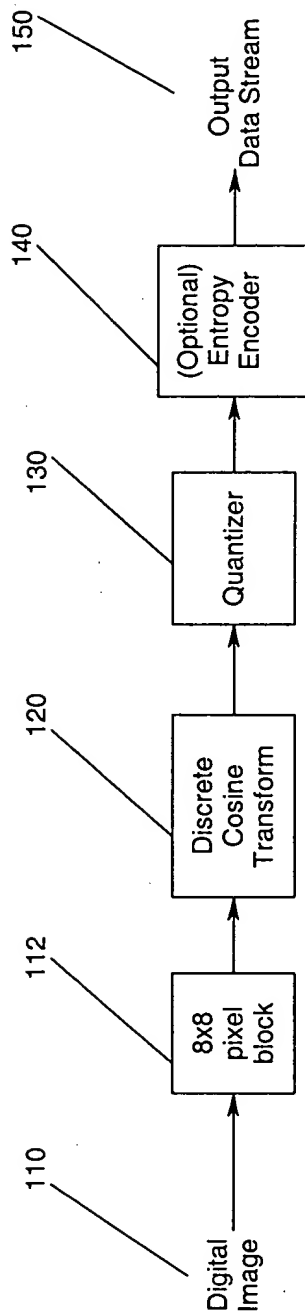


Fig. 1

200

C2 = 0.923880, C2/C2 = 1.000000, C2/C6 = 2.414214
 C6 = 0.382683, C6/C2 = 0.414214, C6/C6 = 1.000000

Fig. 2

300 — Actual
 C2/C6 = 2.414214
 C6/C6 = 1.000000
 C2/C2 = 1.000000
 C6/C2 = 0.414214

312 — Estimate
 2.4=12/5
 1
 1
 0.416416=5/12

314 — Error
 0.5%
 0.0%
 0.0%
 0.5%

Fig. 3

400

C1 = 0.980785, C1/C1 = 1.000000, C1/C3 = 1.179580, C1/C5 = 1.765367, C1/C7 = 5.027339
 C3 = 0.831470, C3/C1 = 0.847759, C3/C3 = 1.000000, C3/C5 = 1.496606, C3/C7 = 4.261973
 C5 = 0.555570, C5/C1 = 0.566454, C5/C3 = 0.668179, C5/C5 = 1.000000, C5/C7 = 2.847759
 C7 = 0.195090, C7/C1 = 0.198912, C7/C3 = 0.234633, C7/C5 = 0.351153, C7/C7 = 1.000000

Fig. 4

Actual

C1/C5 = 1.765367

C3/C5 = 1.496606

C5/C5 = 1

C7/C5 = 0.351153

Estimate

1.75(1 + 1/2 + 1/4)

1.5(1 + 1/2)

1

(3/2) > 2 - (7/4) > 6

Error

0.87%

0.23%

0.00%

0.99%

Fig. 5

Actual

C1/C7 = 5.027339

C3/C7 = 4.261973

C5/C7 = 2.847759

C7/C7 = 1

Estimate

5(4+1)

4.25 (4 + 1/4)

2.875 (4 - 1 - 1/8)

1

Error

0.54%

0.28%

0.95%

0.00%

Fig. 6

Actual

C1 = 0.980785

C2 = 0.923880

C3 = 0.831470

C5 = 0.555570

C6 = 0.382683

C7 = 0.195090

Estimate

0.984375 (1 . 1/64)

0.929687 (1.1/16.1/128)

0.828125 (1-1/8-1/32-1/64)

0.554687 (1/2+1/32+1/64+1/128)

0.378906 (1/4+1/8+1/256)

0.193359 (1/8+1/16+1/256+1/512)

Error

0.366%

0.628%

0.402%

0.158%

0.987%

0.887%

Fig. 7

800

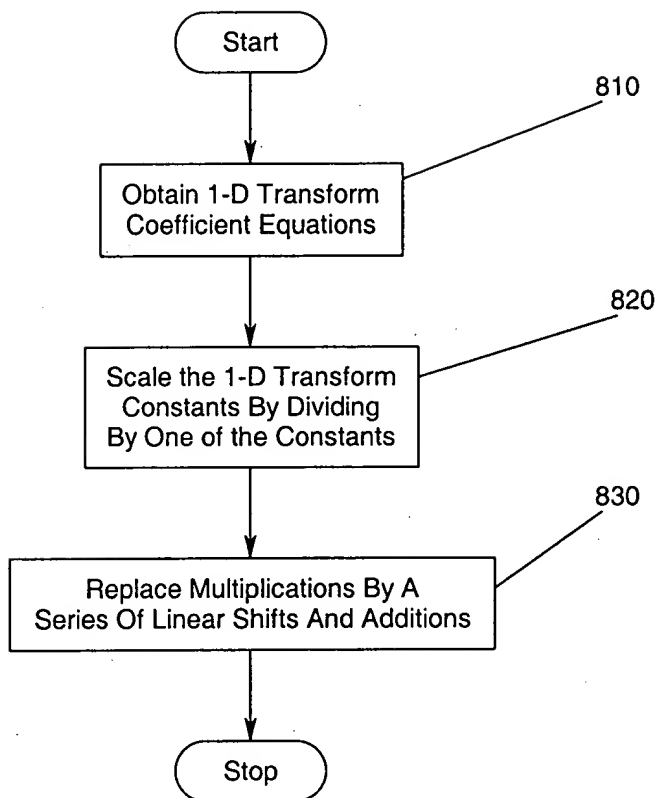


Fig. 8

FIG. 9 is a block diagram of a printer system 900. The system includes a host processor 910, a printer 920, and a storage device 990. The printer 920 contains a memory 930, a processor 940, a printhead driving circuit 950, and a printhead 960. The host processor 910 is connected to the printer 920 via a bus 912. The storage device 990 is connected to the printer 920 via a bus 942. The printer 920 outputs data to a printer output 970.

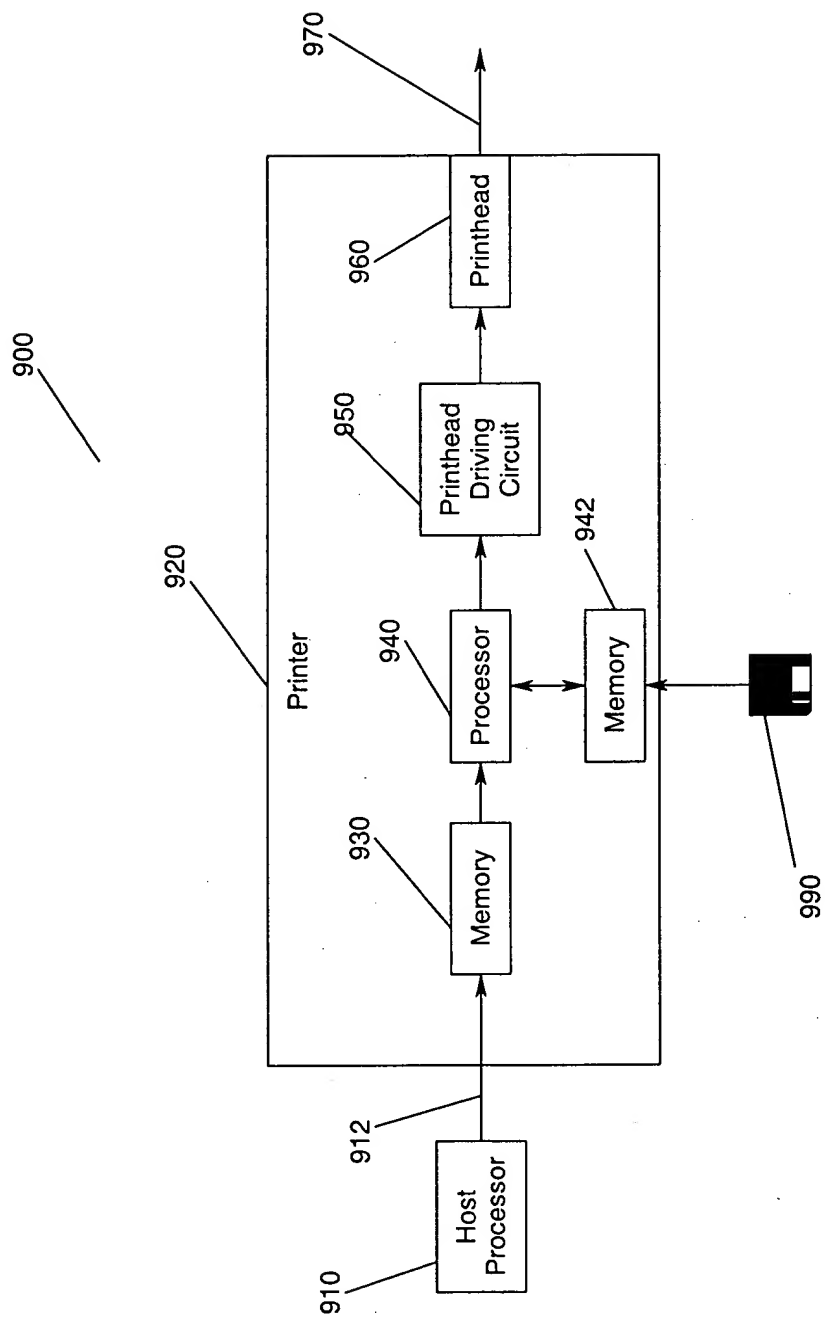


Fig. 9

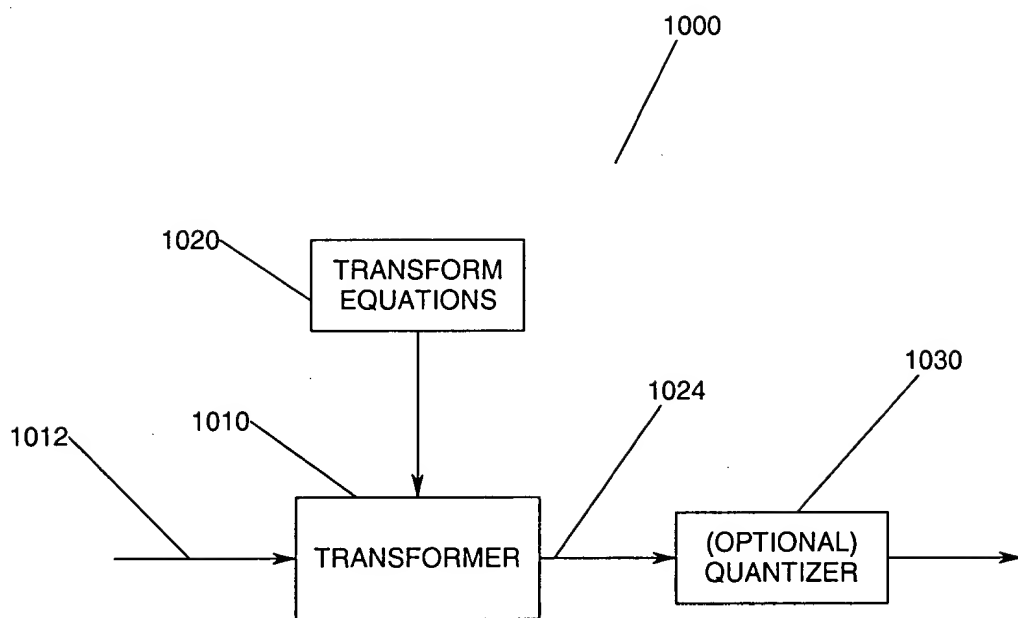


Fig. 10

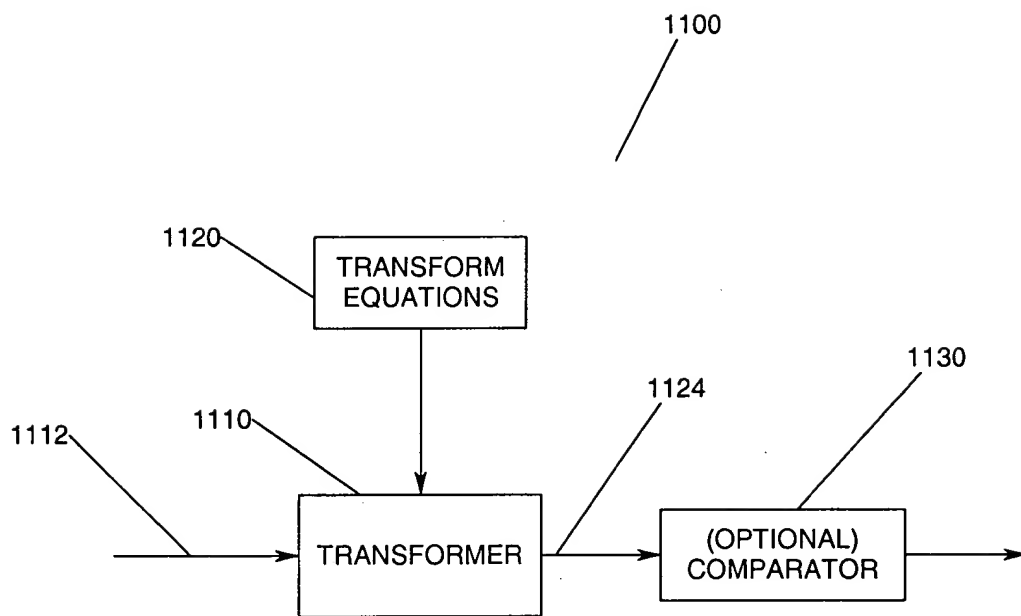


Fig. 11